MILWAUKEE NUMISMATIC NEWS

June 2016 – The next regular MNS meeting will be held Thursday, June 16, 2016, 6 PM. The meeting will consist of a tour at Best Place (the former Pabst Brewery) located at 901 W. Juneau Avenue in Milwaukee. No regular meeting is scheduled for July.

President:	Justin Perrault	**Vice President:**	Jim Heinrich
Secretary:	John Bleidorn	**Treasurer:**	Lee Hartz
Sgt. at Arms:	Jeff Gaffke	**Trustee '15-'17:**	Tom Dallmann
Trustee '14-'16:	Leon Saryan	**Trustee '16-'18:**	Gary Bieringer
Librarian:	Joe Paonessa	**Newsletter editor:**	Leon Saryan

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The Milwaukee Numismatic Society, founded in 1934, is the oldest and largest organization in Milwaukee devoted to the study of money. Meetings are held at 7:00 PM on the third Thursday of each month in the Community Room on the lower level of Mayfair Mall (W. North Avenue at N. Mayfair Road).

June Coin of the Month: This month we feature one of the most famous coins of the ancient world, the Mark Antony-Cleopatra silver denarius. Struck in 34 BC, the coin features Antony on one side and Antony's lover Egyptian Queen Cleopatra on the other. Notably, this coin features a small Armenian tiara behind Antony's portrait and the legend ANTONI ARMENIA DEVICTA above, indicating the important role Armenia played in international politics at the time. This coin typically attracts high prices because of its popularity as a "story coin." This example, from Numismatica Ars Classica auction 86, sold for about $18,000 plus fees (in late 2015).

June 2016 MNS President's Message

Happy Collecting! It must be said that the club auction held at our last meeting in May yielded some unprecedented bids, resulting in net sales in excess of $500. It is not often that we receive such competitive bidding at the club auction, but this simply speaks to the higher quality items that were up for sale and in greater demand. Thanks so much to everyone who consigned and bid on the items. Our next auction will be at the November 17th meeting so there is plenty of time to prepare.

As agreed by the membership at last month's meeting, our regular June meeting will instead be a tour of the Pabst Brewery Best Place on June 16th. Please note that the time to meet at the Best Place is at 6 PM, an hour earlier than we usually meet. **The tour begins in the Best Place gift shop located at 901 W. Juneau Ave., easily located a little northwest of downtown Milwaukee just east of I-43.** There is plenty of free street parking in the area. Tour admission of the old Pabst Brewery will be free for all members, $8 for other guests. Most importantly, the tour includes a beer for you to enjoy on the tour. If you have any questions or issues at all please feel free to give me a phone call.

The tour will not take much more than an hour. After the tour we will convene across the street to the see the old brew kettles in the Brewhouse Inn & Suites. We will then enjoy some light appetizers next door in Jackson's Blue Ribbon Pub. This should be an educational and fun summer outing, one you will not want to miss for those interested in the history of Milwaukee and beer.

Since we will not be having a meeting in the month of July our next regular business meeting at the Mayfair Mall conference room will be in August. Please do not show up in July because no one will be there. It is my hope that you will use this time to enjoy the summer weather and take a break from the regularly scheduled monthly meetings. As a result, there will not be a newsletter published in July, so the next one you receive will be sometime in early August. At this meeting our very own Leon Saryan will present slides from his recent trip to London and Stratford-upon-Avon, "Numismatics in Great Britain."

I recently returned from a long week-end spent in New York City and among other things I was able to attend the World Stamp Show, an event that only occurs once every ten years. When I attend such events I always find it interesting to compare and contrast the differences in how our hobby relates to others. The stamp show atmosphere was certainly vibrant in its own way, but like us they still face their challenges especially with getting youth into the hobby.

Hope to see you at the Best Place on June 16th, but if not I hope that you have a great Fourth of July holiday!

Justin J. Perrault
masters1122@yahoo.com
262.785.7663

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6 PM June 16, 2016 -- BEST PLACE, 901 W. Juneau Avenue

Best Place is located just northwest of downtown Milwaukee, three blocks directly north of the Milwaukee County Courthouse and the Milwaukee Public Museum, at the site of the old Pabst Brewery. There is ample nearby parking.

MN$ 2016

Schedule

Monthly meetings in 2016 are held at 7:00 pm on the 3rd Thursday of each month in the Community Meeting Room in the lower level of Mayfair Mall. Visitors interested in numismatics are welcome.

Monthly meeting programs

Jan 21:	Officer Inductions
Feb 18:	Open
March 17:	North vs. South Trivia
April 21:	Educational Video Viewing
April 29:	CSNS Bus Trip
May 19:	Spring Auction
June 16:	Tour at Best Place – 6 PM
July 21:	NO MEETING
Aug 18:	Leon Saryan: Numismatics in Great Britain (slide show)
Sept 15:	Robert Leonard: Medieval Military Coinage Presentation
Oct 20:	Raffle Ticket Prize Drawing
Nov 17:	Autumn Auction; Election Slate
Dec 15:	Holiday Party; Officer Elections

Annual Dues

Dues for 2016 are $10. Please pay at the next meeting, or they may be mailed to MNS, PO Box 241174, Milwaukee, WI 53224. Thanks to those who have paid.

PLEASE NOTE:

MNS is a volunteer organization. We always need new and interesting programs, activities, helpers to work at events, and someone to bring refreshments for the meetings. We are also looking for ideas for club outings. MNS will reimburse refreshment expenses up to $60. To volunteer, please contact Pres. Justin Perrault at 262.785.7663 or VP Jim Heinrich at 262.796.1814. Thanks to everyone who has stepped up by volunteering their time and talent to make this club a success.

2016 Numismatic Events

August 9-13	ANA World's Fair of Money Anaheim, CA
August 14	Beaver Dam Coin Club Show American Legion Post (9-4 PM) 300 Beichl Ave.
October 1	CSNS Board Meeting at Hilton Garden Inn by airport (time TBD)
October 2	MNS Coin Show at Serb Hall
Nov. 16-19	PCDA Nat'l Currency & Coin Conv Crowne Plaza – Rosemont, IL

Refreshment Schedule

Jan:	Dave Herrewig
Feb:	Tom Dallmann
Mar:	Justin Perrault
Apr:	Don Kaminski
May:	Stu Caddell
Jun:	Appetizers at Blue Ribbon Pub
Jul:	N/A
Aug:	Open
Sep:	Gary B.
Oct:	Pam T.
Nov:	Howard Thorpe
Dec:	Holiday Party

Milwaukee Numismatic Society

Minutes

May 19, 2016

President Justin Perrault called the 969th meeting of the MNS to order at 7:02pm. There were 28 members and 1 guest in attendance. The president led the club in the pledge of allegiance. Door prizes were won by: John Bleidorn, Tom Ralston, Chris Kantak, Peter Caddell, Dave Hunsicker, Gary Bieringer, Leon Saryan, Kevin Foley, Sandra Kauer, Tom Snyder, Betty Petrovick, Bruce Bartelt.

Coin of the Month: Steve Jacobson won the coin of the month, a France Euro set with a bid of $12.00.

Treasurer's Report: Lee Hartz reported that April showed receipts of $9.00 and $487.90 in disbursements for a negative cash flow of $478.90.

Correspondence: Numismatist magazine, Central States Convention letter and bus trip refund check from Kevin Foley.

Summer Outing: June 16 at 6 pm (an hour earlier than our regular start time), gather at the Best Place located at the historic Pabst Brewery, 901 W. Juneau Avenue, Milwaukee. This is the date of our regular meeting night. THEREFORE, a meeting will not be held at Mayfair Mall in June. Come and absorb (etc.) the history and heritage of Milwaukee's most famous brewery.

July Meeting: No regular meeting will be held in July.

Membership: N/A

Newsletter: Leon requested any address changes be submitted to him to ensure continued newsletter delivery. We are still looking for member Bob Bauter; if anyone has information please let us know.

Auction: The May meeting program featured the semi-annual MNS Auction, as usual superbly organized by member Dave Hunsicker. A couple of Milwaukee Civil War tokens brought enormous bids!

The meeting was adjourned at 8:47pm by President Perrault.

Respectfully submitted by John Bleidorn, Secretary

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6 PM June 16, 2016 -- BEST PLACE, 901 W. Juneau Avenue

Best Place is located just northwest of downtown Milwaukee, three blocks directly north of the Milwaukee County Courthouse and the Milwaukee Public Museum, at the site of the old Pabst Brewery. There is ample nearby parking.

Chemical Composition of Coins

By L. A. Saryan, Ph.D.

Have you ever wondered what your coin, medal, or token is made of? Now it is possible to find out, generally without damaging the coin or altering it in any fashion.

Coins, of course, are small pieces of metal. In addition to gold, silver, and copper, through the ages they have been made of numerous other metals, including nickel, aluminum, tin, zinc, and dozens of different alloys (mixtures of two or more metals). In fact, most coins are struck using alloys. To determine metallic composition, numismatists commonly rely on visual observation of a coin's color, density, and luster. Some modern coins can be looked up in references, such as the Red Book.

But we can learn more. Chemical analysis can often tell us whether a coin is genuine and even where the metal ore originated. It can inform us about the technological processes and metallurgy prevailing at the time it was made. What it generally cannot do, however, is enable us to directly determine the coin's age.

If one is willing to destroy a coin by dissolving it in acid, wet chemical analysis can be used to determine its composition. The procedure is time consuming and requires a laboratory. Most collectors, however, would prefer to keep their coin rather than destroy it to learn its composition.

Fortunately, over the last few decades, various non-destructive instrumental methods of analyzing metals have been devised. One of these techniques is SEM-EDS (scanning electron microscopy with energy dispersive spectrometry). In this procedure, a coin is inserted into an electron microscope and bombarded with X-rays. Low energy X-rays characteristic of various elements are then emitted from the coin surface, which can be measured to determine which elements are present and their relative quantity.

A SEM-EDS analysis can be completed quickly and safely. Within a few minutes the coin can be returned to its owner unchanged. The principal disadvantage of this method is that X-rays only penetrate that outer layer of the coin, and thus the analysis pertains to the coin's surface, not its interior. Coins that are cleaned, corroded or contaminated with soil may not yield accurate results. The equipment used is sophisticated and expensive and is operated by a trained professional in a laboratory setting. Results are expressed in %, and analyses are generally accurate down to 0.1%. Objects to be studied must be less than about 3 inches in diameter.

For nearly 25 years I have had the good fortune to collaborate with an experienced metallurgist in Milwaukee, who has the necessary equipment and training. Together, we have performed and published research studies on ancient and medieval coins and artifacts. We have also studied several forgeries.

What have we learned? For one thing, we have found that many genuine ancient bronze coins consist principally of copper, tin and lead. Coins that contain significant amounts of unusual chemical elements (unknown in ancient times), or elements in the incorrect proportions, may be contemporary or modern forgeries. Ancient and medieval silver coins generally contain at least a small percentage of gold and lead as well as silver and copper. If these elements are missing, the coins may be modern forgeries made from highly purified metal.

A typical SEM-EDS study costs about $100 per coin which includes expert interpretation. Coins are returned unchanged after the analysis is completed.

THE END OF AN ERA

By Tom Casper MNS LM30

After eighty-six years of paying for streetcar and bus rides using passes, transfers and tickets, it has come to an end as of February 28, 2016. These prior forms of payment have been replaced by a plastic, electronic "M Card".

In the late nineteenth century a ride on a horse drawn streetcar could be had for one token. The Westside Ry. Co., incorporated in 1874 pictured a horsecar on their token. Soon after, cardboard tickets were also issued and used for fares.

But 1930 brought about a significant change. Tokens were no longer used. The weekly bus pass was created along with paper transfers. For the next eighty-six years weekly passes, transfers and tickets would be the mainstay for daily riders. Cash and tickets continued to be accepted. Riders using passes would carry them in special holders made of plastic or leather with some carrying merchant advertising. The holders prevented damage to the pass when carried in a pocket or purse.

The bus passes were produced by the in-house print shop of the Transport Company. Artists created a different bus pass each week with dates it was good for. The early passes were plain but colorful with some mentioning the major holidays we all celebrate. In the beginning of 1932 the passes carried a weekly pass numbers. The pass for May 22 to May 28, 1932, number 21, was the first example I found with advertising. It pictured a lion with the caption, "Visit the Zoo". (The zoo at that time was in Washington Park). Later that year on the pass from Nov. 6 to 12, number 45, pictured a chrysanthemum with the title, "Chrysanthemum Show". From 1932 to the present the passes promoted charitable and non-profit organizations and community events occurring in Milwaukee.

During World War II, starting in 1942, a number of the passes carried military themes. The June 14 to 20 pass showed a Marine with the caption "Join the Fighting U.S. Marines". The following week's pass pictured a pilot with the saying "To Victory, U.S. Army Air Corps". After the war ended, the Oct. 28 to Nov. 3, 1945 pass pictured the U.S. Armed Forces Honorable Service Emblem, better known as the "ruptured duck"

Other organizations and events seen on the passes include Community War Chest, YMCA membership drive, Keep the Red Cross at His Side, Save a Life-Donate Blood, Prevent Forest Fires, Buy War Bonds on Payroll Plan, Boy Scout and Girl Scout Week. In more modern times the passes pictured the Schlitz Circus Parade, World Port of Milwaukee, National Polo Tournament, Downtown Christmas Parade, Summerfest, Boerner Botanical Gardens, and Milwaukee's Junior Miss Pageant. In 1980 the South Shore Coin Club advertised their annual coin show on the March 30 – April 5 pass.

The Milwaukee County Transit System issued a lot more for us collectors. Monthly passes, school passes, reduced fare passes, commuter passes, U passes, commemorative passes and tickets were also used.

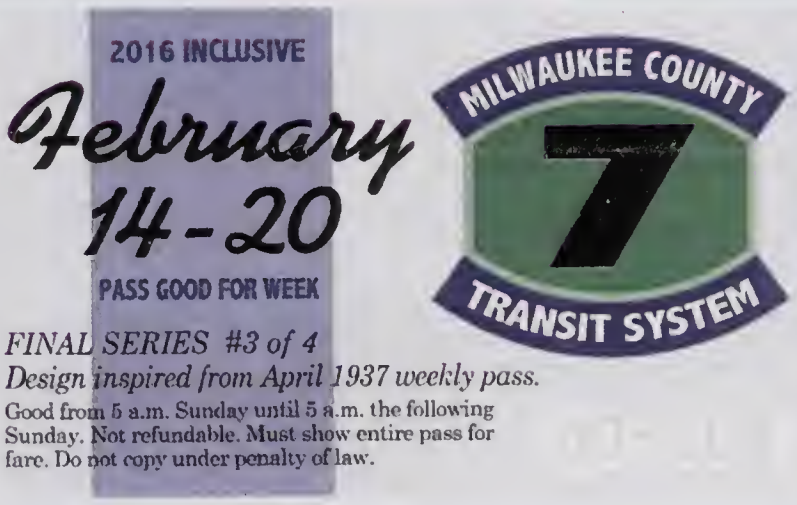
To commemorate the ending of paper passes, transfers and tickets, the MCTS issued a collector's set of four passes in February, 2016. The designs were similar to passes from the 1930's & 1940's. The last pass, #8, from February 21-28, 2016 pictured, on the back, the very first bus pass from 1930. These souvenir passes are being sold for $10 for the set of 4.

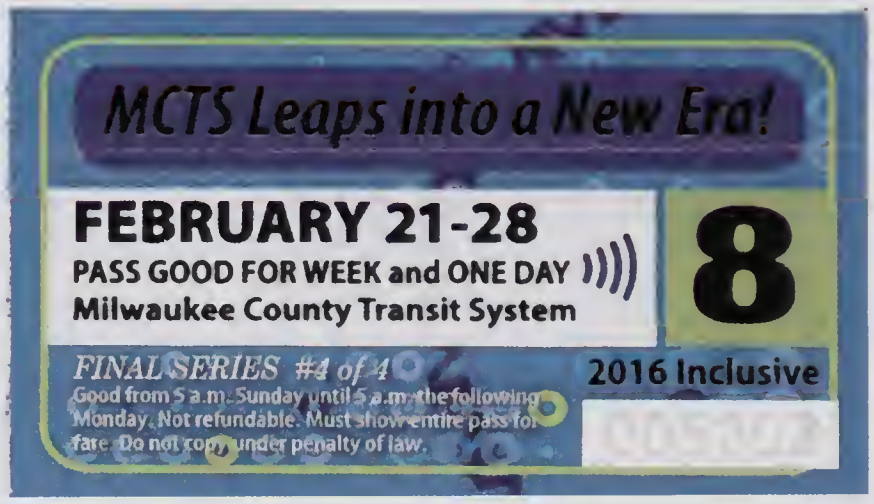
The weekly passes have provided us with a snapshot of Milwaukee history for the past eighty-six years. With the end of passes, I think more people may try to get the complete eighty-six year set or 4,472 passes to go with their collection of transportation tokens.

Milwaukee Bus Tickets, Passes, and Transfers

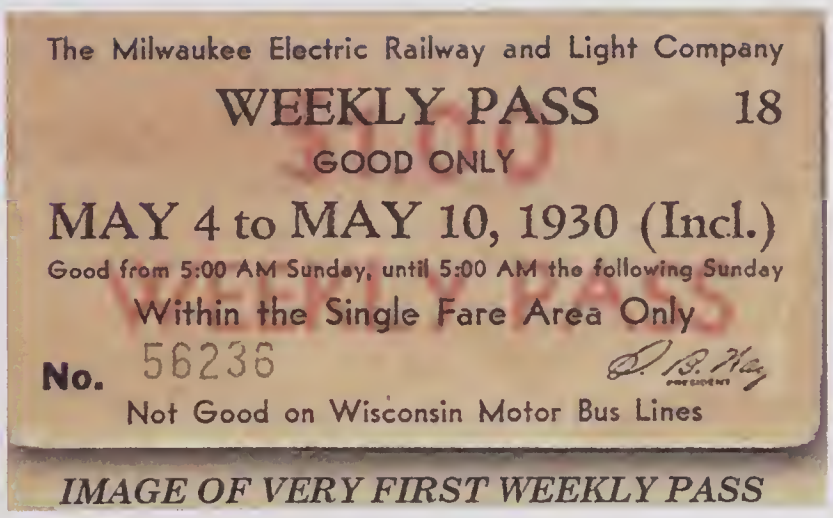
Design inspired from February 1944 weekly pass
2016 INCLUSIVE PASS GOOD FOR WEEK
JAN 31
FEB 6
5
MILWAUKEE COUNTY TRANSIT SYSTEM
Good from 5 a.m. Sunday until 5 a.m. the following Sunday. Not refundable. Must show entire pass for fare. Do not copy under penalty of law.
FINAL SERIES #1 of 4

6
Design inspired from March 1933 weekly pass
MILWAUKEE COUNTY TRANSIT SYSTEM
Good from 5 a.m. Sunday until 5 a.m. the following Sunday. Not refundable. Must show entire pass for fare. Do not copy under penalty of law.
2016 INCLUSIVE PASS GOOD FOR WEEK
FINAL SERIES #2 of 4


2016 INCLUSIVE
February 14-20
PASS GOOD FOR WEEK
MILWAUKEE COUNTY
7
TRANSIT SYSTEM
FINAL SERIES #3 of 4
Design inspired from April 1937 weekly pass.
Good from 5 a.m. Sunday until 5 a.m. the following Sunday. Not refundable. Must show entire pass for fare. Do not copy under penalty of law.

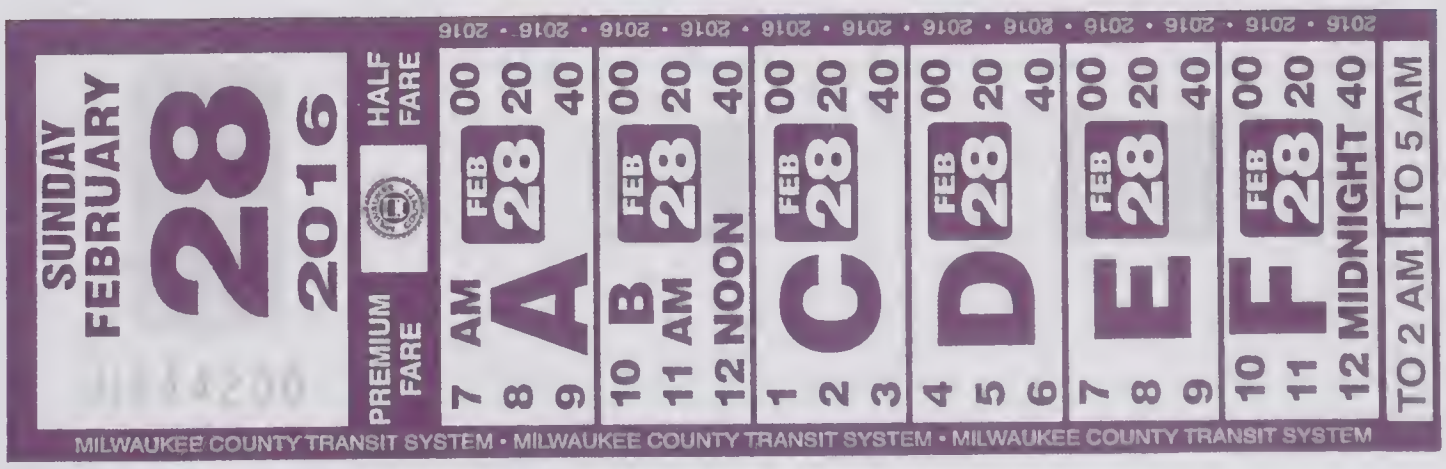

MCTS Leaps into a New Era!
FEBRUARY 21-28
PASS GOOD FOR WEEK and ONE DAY
Milwaukee County Transit System
8
FINAL SERIES #4 of 4
2016 Inclusive
Good from 5 a.m. Sunday until 5 a.m. the following Monday. Not refundable. Must show entire pass for fare. Do not copy under penalty of law.

The last four passes, February 2016


The Milwaukee Electric Railway and Light Company
WEEKLY PASS 18
GOOD ONLY
MAY 4 to MAY 10, 1930 (Incl.)
Good from 5:00 AM Sunday, until 5:00 AM the following Sunday
Within the Single Fare Area Only
No. 56236
Not Good on Wisconsin Motor Bus Lines
IMAGE OF VERY FIRST WEEKLY PASS

Back of the last pass

Last pass replacement


SUNDAY FEBRUARY 28 2016
HALF FARE
PREMIUM FARE
2016 · 2016 · 2016 · 2016 · 2016 · 2016 · 2016 · 2016 · 2016 · 2016 · 2016 · 2016 · 2016 · 2016
00 20 40
FEB 28
7 AM 8 9 A
10 11 12 NOON B
1 2 3 C
4 5 6 D
7 8 9 E
10 11 12 MIDNIGHT F
TO 2 AM
TO 5 AM
MILWAUKEE COUNTY TRANSIT SYSTEM · MILWAUKEE COUNTY TRANSIT SYSTEM · MILWAUKEE COUNTY TRANSIT SYSTEM

The last paper transfer

How the $20 bill has changed

NW Indiana Times 4/25/2016

1914-1929 - FIRST $20 FEDERAL RESERVE NOTE ISSUED

FACE: Grover Cleveland **BACK:** Vignette of transportation. **SIZE:** It measured 7.375 inches by 3.125 inches.

1929 TO 1990

FACE: Andrew Jackson; **BACK:** changed to a picture of the White House, which remains today.

SIZE: The note was reduced to 6.14 inches by 2.61 inches.

1990 TO 1998

FACE: Andrew Jackson

MAIN SECURITY FEATURES: Security thread and microprinting along the outer edge of the portrait's frame.

1998 TO 2003

FACE: Andrew Jackson

MAIN SECURITY FEATURES: Security thread, a watermark visible from both sides and color-shifting ink.

2003 TO PRESENT

FACE: Andrew Jackson

MAIN SECURITY FEATURES: Security thread, a watermark visible from both sides and color-shifting ink.

What's next for other denominations

$10: The Treasury building on the back of the bill will be changed to commemorate a 1913 march that ended on the steps of the building. It will also feature suffragette leaders Lucretia Mott, Sojourner Truth, Susan B. Anthony, Elizabeth Cady Stanton and Alice Paul.

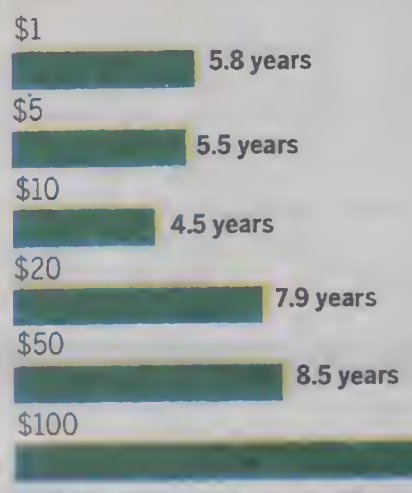
$5: The illustration of the Lincoln Memorial on the back will be redesigned to honor "events at the Lincoln Memorial that helped to shape our history and our democracy."

The new image will include civil rights leader Martin Luther King Jr., who gave his famous "I have a dream" speech on the steps of the memorial in 1963, and Marian Anderson and Eleanor Roosevelt. Anderson, an African-American opera singer, gave a concert at the memorial in 1939 after she had been blocked from singing at the then-segregated Constitution Hall. The Lincoln Memorial concert was arranged by Mrs. Roosevelt.

King Jr.

Estimated lifespan of paper money

The Bureau of Engraving and Printing prints billions of dollars, or Federal Reserve notes, each year for delivery to the Federal Reserve System. There are about $1.39 trillion worth of Federal Reserve notes in circulation. More than 90 percent of the notes the bureau delivers each year are used to replace notes already in, or taken out of circulation.



DID YOU KNOW?

- Average cost to make note: 10 cents
- Approximately between one-half and two-thirds of the value of U.S. currency in circulation is held outside the U.S.

SOURCES: ASSOCIATED PRESS, USCURRENCY.GOV, U.S. DEPARTMENT OF TREASURY BUREAU OF ENGRAVING AND PRINTING, LIBRARY OF CONGRESS, NATIONAL MUSEUM OF AMERICAN HISTORY.

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